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The Gazette of India

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सं० 1] नई दिल्ली, शनिवार, जनवरी 3, 1976 (पौष 13, 1897)
No. 1] NEW DELHI, SATURDAY, JANUARY 3, 1976 (PAUSA 13, 1897)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।

Separate paging is given to this Part in order that it may be filed as a separate compilation.

भाग III—खण्ड 2

PART III—SECTION 2

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
Notifications and Notices issued by the Patent Office relating to Patents and Designs

THE PATENT OFFICE PATENTS & DESIGNS

Calcutta, the 3rd January, 1976

SPECIAL NOTICE

(1)

The following holidays will be observed by the Patent Office, Calcutta, during the year 1976

Name of Festival	Day of the Week	Date
Muharram	Monday	12th January
Netaji's Birth day	Friday	23rd January
Republic Day	Monday	26th January
Srec Panchami	Thursday	5th February
Poljatra	Tuesday	16th March
Good Friday	Friday	16th April
Buddha Purnima	Thursday	13th May
Independence Day	Sunday	15th August
Id-ul-Fitr	Sunday	26th September
Durga Puja-	Thursday	30th September
Mahanavami		
Durga Puja-	Friday	1st October
Mahanavami		
Gandhiji's Birthday/	Saturday	2nd October
Vijayadasami		
Kali Puja	Friday	22nd October
Guru Nanak's		
Birthday	Saturday	6th November
Idu'z-Zuha	Thursday	2nd December
Christmasday	Saturday	25th December

397 GI/75

(2)

The following holidays will be observed by the Patent Office Branch Bombay during the year 1976

Name of Festival	Day of the Week	Date
Moharrum	Wednesday	14th January
Republic Day	Monday	26th January
Holi (2nd Day)	Tuesday	16th March
Gudi Padwa	Wednesday	31st March
Good Friday	Friday	16th April
Buddha Purnima	Thursday	13th May
Independence Day	Sunday	15th August
Ganesh Chaturthi	Saturday	28th August
Id-ul-Fitr	Sunday	26th September
Dassera	Saturday	2nd October
Mahatma Gandhi's		
Birthday	Saturday	2nd October
Diwali (Amavasya)	Friday	22nd October
Diwali (Bali Prati-		
padha)	Saturday	23rd October
Guru Nanak's		
Birthday	Saturday	6th November
Idu'z-Zuha	Friday	3rd December
Christmas	Saturday	25th December

(1)

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

27th November, 1975

- 2265/Cal/75. F. K. Nabiullin. Air depolarised cell.
- 2266/Cal/75. F. K. Nabiullin. Chemical source of current and method for its assembly.
- 2267/Cal/75. The Lubrizol Corporation. Sulfurized mannich condensation products.
- 2268/Cal/75. Bekum Maschinenfabriken GMBH. Blow-molding unit for synthetic plastic materials. (October 31, 1975).
- 2269/Cal/75. Personal Products Company. Absorbent product with reduced sloughing properties.
- 2270/Cal/75. M. V. Hinderks. Improved means for the treatment of the gases of combustion engines. (April 26, 1975).
- 2271/Cal/75. Giuseppe Giammarco and Paolo Giammarco. Improvements in the regeneration of absorbent solutions used for removing gaseous acid impurities from gaseous mixtures. [Addition to No. 1412/Cal/74].
- 2272/Cal/75. Velsicol Chemical Corporation. New triadiazolimidazolines and plant growth method.

28th November, 1975

- 2273/Cal/75. U. P. Mahapatra. A process for the manufacture of zinc oxide.
- 2274/Cal/75. Varta Batterie Aktiengesellschaft. Process and apparatus for the manufacture of primary galvanic cells. [Addition to No. 827/Cal/74].
- 2275/Cal/75. C. A. V. Limited. Liquid fuel injection pumping apparatus. (December 6, 1974).
- 2276/Cal/75. J. A. Meher-Homji. A cassette for holding X-ray film for taking X-ray picture.

29th November, 1975

- 2277/Cal/75. R. K. Dandekar. New perforated cap for pressure-stove burners.
- 2278/Cal/75. R. K. Dandekar. Ultra-powerful low pressure burner for pressure-stoves.
- 2279/Cal/75. Oce-Van Der Grinten N.V. Profiled roller.
- 2280/Cal/75. M. L. Saboo. Hopper for grinding mills.
- 2281/Cal/75. Indian Jute Industries' Research Association. Novel lignocellulose derivatives.
- 2282/Cal/75. Texaco Development Corporation. Synthesis gas from gaseous CO₂-solid carbonaceous fuel feeds.

1st December, 1975

- 2283/Cal/75. Tecosa S.A. Improvements in and relating to cartridges for a product in tape form.
- 2284/Cal/75. Linde Aktiengesellschaft. Process and apparatus for the production of hydrogen and carbon dioxide.
- 2285/Cal/75. Magnesep Corporation. Method and apparatus for separating material.

2nd December, 1975

- 2286/Cal/75. Santo Salvino. A structure in metal and reinforced concrete for laying rail tracks e.g. for railway, tram lines and undergrounds and to the tracks so installed.
- 2287/Cal/75. Egyesult Izzolampa ES Villamossagi RT. Apparatus for the synchronous running of independently driven processing units of production lines.
- 2288/Cal/75. Bijon Kumar Biswas. Manufacture of dual filamented electric lamp.
- 2289/Cal/75. Bunker Ramo Corporation. Strain relief adapter for an electrical connector.
- 2290/Cal/75. M/s. Unisystems Pvt. Ltd. Container.
- 2291/Cal/75. R. Lall. A locking device.
- 2292/Cal/75. The Director, Indian Agricultural Research Institute. Process for the preparation of diaryl dichloromethyl phosphonates and diaryl dichloromethyl phosphonodithiolates.
- 2293/Cal/75. I.S.F. S.P.A. Method for manufacture of cephalosporin.
- 2294/Cal/75. Rhone-Poulenc Industries. Autoclave.
- 2295/Cal/75. Cluett, Peabody & Co. Inc. Apparatus with flexible pressurizing sheet and related method for processing cloth, especially knitted cloth.
- 2296/Cal/75. Acieries Peunies De Burbach-Fich-Dudelange S.A. Arbed. Process and apparatus for the production of molten pig iron.

3rd December, 1975

- 2297/Cal/75. Sir Padampat Research Centre (A division of J.K. synthetics Limited). A new process of dyeing polycapromide 'nylon 6'.
- 2298/Cal/75. Rohm and Haas Company. Jet texturing process and apparatus.
- 2299/Cal/75. G. Giraud. Boiler for heating building.
- 2300/Cal/75. The Firestone tire & Rubber Company. Pneumatic tire.
- 2301/Cal/75. PWA Papierwerke Waldhof-Aschaffenburg Aktiengesellschaft. Process for the production of defoaming agents and their use.

APPLICATION FOR PATENTS FILED AT THE (BOMBAY BRANCH)

15th November, 1975

- 320/Bom/75. M. M. Parmar, (2) B. C. Shah, (3) Smt. Labhmati Ambalal Mehta, (4) Smt. Indiraben Priyadarshan Varma. Improvement in rubber squeegee in manual operation in textile printing.
- 321/Bom/75. R. M. Ranadive. A transmission gear box.

17th November, 1975

- 322/Bom/75. Kirloskar Oil Engines Limited. Improvement in or relating to pistons for internal combustion engines.
- 323/Bom/75. Ahmedabad Textile Industry's Research Association. An improved shuttle checking device for looms.

19th November, 1975

- 324/Bom/75. N. M. Kothari, (2) A. M. Kothari, (3) A. M. Kothari, (4) R. M. Kothari and K. P. Modi. Mixing device.

325/Bom/75. M/s. National Pharmaceuticals. Improvement on inhalation device.

20th November, 1975

326/Bom/75. Shri P. J. Chaugule. Improved masonry structures.

327/Bom/75. Shri P. J. Chaugule. Reinforced bitumen or tar compounded spun pipes.

328/Bom/75. Shri P. J. Chaugule. Precast and prestressed precast two way reinforced cement concrete slab and beam units.

329/Bom/75. Y. J. Bhoge. Improved power engine and the like prime mover.

21st November, 1975

330/Bom/75. E. N. Contractor. A design for using double wheels at the rear of two-wheeled vehicles.

331/Bom/75. E. N. Contractor. A pressure dividing design for use in deep sea diving ships and in spaceships.

22nd November, 1975

332/Bom/75. C. M. Shah. An invention for improvement in apparatus for heating the water of different hardness.

APPLICATION FOR PATENTS FILED AT THE (MADRAS BRANCH)

22nd November, 1975

188/Mas/75. Cigfil Private Limited. A tobacco smoke filter.

189/Mas/75. Cigfil Private Limited. A tobacco smoke filter.

190/Mas/75. A. N. Chelladurai. A snap fastener.

ALTERATION OF DATE

129041. Post-date, 28th April, 1971.

138205. Ante-dated to 7th November, 1969.

1499/Cal/74.

138206. Ante-dated to 8th December, 1966.

296/Bom/74.

148209. Ante-dated to 20th October, 1972.

15062/Cal/74.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents at the appropriate office as indicated in respect of each such application, on the prescribed form of such opposition. The written statement of opposition should be filed along with the said notice or within one month from its date as prescribed in Rule 36 of the Patents Rules, 1972.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2 (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 32F + F.C & 55E. I.C.-C07C 143/63, A61K 27/00, 80509.

METHOD FOR THE PREPARATION OF NEY ALKYL-SULPHONYLOXY DERIVATIVES.

CHINOIN GYOGYSZER- ES VEGYESZETI TERMEKEK GYARA RT. ORF. S. TOITCA, BUDAPEST IV, HUNGARY

January 31, 1962.

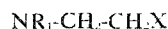
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims. No drawings.

Process for the preparation of 3-6 membered oxyalkenes substituted on one or two of their carbon atoms with the group of the formula I.



where R stands for an alkyl radical containing 1 to 3 carbon atoms which comprises introduction of the group of the formula I as herein defined in single step or stepwise into 3-6 membered oxyalkanes by reacting an alkylsulphonating agent, such as herein described, with a 3-6 membered oxyalkane substituted on one or two of its carbon atoms with the group of the formula II.



(where X stands for halogen or a hydroxy group and R_1 stands for hydrogen or for a protecting group capable of being eliminated by acidic hydrolysis or R_1 and X may stand for a valency bond the group of the formula II thus forming an ethyleneimino ring).

CLASS 32F. I.C.-C07c 167/00, 167/02 & 169/10. 95140.

METHOD OF PRODUCING d-17 KETO-13 β-ALKYL GONA-1, 3, 5 (10)-TRIENE.

AMERICAN HOME PRODUCTS CORPORATION, OF 685, THIRD AVENUE, NEW YORK CITY 17, NEW YORK, UNITED STATES OF AMERICA.

Application No. 95140 filed August 11, 1964.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

A method for producing a d-17-keto-13 β-alkyl-gona-1, 3, 5 (10)-triene which comprises subjecting a racemic mixture of a 17 β-lower acyloxy or 17 β-hydroxy 13 β-alkyl gona-1, 3, 5(10) triene to microbiological oxidation such as herein described and separating the resulting steroid products to give a d-17-keto-13 β-alkyl-gona-1, 3, 5(10)-triene.

CLASS 32F. 55D + 55E + E. I.C.-A61k 27/00. A01n 9/20, I.C.-C07c 129/00, 133/10. 101137.

PROCESS FOR THE PREPARATION OF NOVEL GUANIDINO DERIVATIVES OF POLYALKYLENE POLYAMINES.

EVANS MEDICAL LIMITED, OF SPEKE BOULEVARD, SPEKE, LIVERPOOL, LANCASHIRE, ENGLAND.

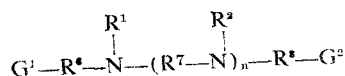
Application No. 101137 filed August 16, 1965.

Convention date 21st August, 1964 (34538/64) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims.

A process for the preparation of compounds of the general formula I.



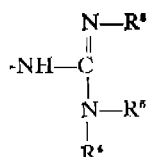
and their physiologically acceptable acid addition salts, where R^1 and each group R^2 , which may be the same or different.

rent, are hydrogen an alkyl group or an alkyl group carrying a nitrogen substituent, which may be a guanidino group G^4 ,

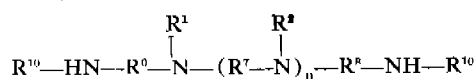
R^0 and each group R^7 and R^8 , which may be the same or different are each a straight or branched alkylene group separating the adjacent nitrogen atoms by a chain of at least two carbon atoms, the total number of carbon and nitrogen atoms in the straight chain linking the substituents G^1 and G^2 , excluding branching groups, being greater than 12,

n is an integer from 0 to 4,

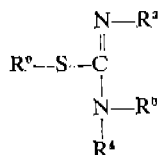
G^1 , G^2 and each group G^3 , which may be the same or different, have the formula II.



where R^5 and R^6 , which may be the same or different, are hydrogen atoms or aliphatic groups having 1-4 carbon atoms and R^4 is a hydrogen atom, and aliphatic group having 1-4 carbon atoms or an amino or acyl group, in which an amine of the general formula III.



is reacted, where R^{10} is hydrogen, with a thiourea derivative of the general formula (IV).



where R^4 is an alkyl or aralkyl group, R^1 , R^2 , R^3 , R^4 , R^5 , R^7 , R^8 and n have the meanings given above and R^9 is an amino group or an aliphatic group having 1-4 carbon atoms) or a salt thereof, and, if desired converting by method known *per se*, a free base of formula I, as defined above, which is initially produced, into an acid addition salt thereof.

CLASS 55E, I.C.-A60K 9/00. 110339.

A PROCESS FOR PREPARING AN ORALLY ADMINISTRATIONAL COMPOSITION IN UNIT DOSAGE FORM FOR USE IN TREATMENT OF PROSTATIC HYPERTROPHY AND ALTERING LIPID METABOLISM.

SCHMID LABORATORIES INC., AT ROUTE 46 WEST LITTLE FALLS, NEW JERSEY, UNITED STATES OF AMERICA.

Application No. 110339 filed April 24, 1967.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims. No drawings.

A process for preparing an orally administrable composition in unit dosage form for use in the treatment of prostatic hypertrophy and for altering lipid metabolism, which comprises forming a core containing from 1 to 100 mg of a polyenic macrolide and coating the core with an enteric material, as herein defined.

CLASS 55E, I.C.-A61K 23/00. 111967.

METHOD FOR PREPARING VIRUS-CONTAINING COMPOSITION IN DOSAGE-FORM.

AMERICAN HOME PRODUCTS CORPORATION, OF 685 THIRD AVENUE, NEW YORK-17, NEW YORK, UNITED STATES OF AMERICA.

Application No. 111967 filed August 16, 1967.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims. No drawings.

A method for preparing virus-containing composition in a dosage-form suitable for the immunisation of the intestinal tract upon administration which method comprises mixing a batch of live virus with a batch of at least one pharmaceutically-acceptable solid tablet excipient such as herein described; compressing the resultant mixture into coherent tablets; again providing a batch of at least one pharmaceutically-acceptable solid tablet excipient such as herein described; compressing material from said batch about said coherent tablets in an encasing layer, to form a coherent shell about each of said coherent tablets having a wall thickness of at least 0.03 inches; and then completely covering the resulting larger tablets with an enteric coating such as herein described.

CLASS 55E, I.C.-C07g. 17/00.

113235.

PROCESS FOR THE PREPARATION OF VIRAL SUSPENSIONS AND OF VACCINES FOR COMBATING, INFLUENZA.

RHONE-POULENC S.A., OF 22, AVENUE MONTAIGNE, PARIS 8E, FRANCE.

Application No. 113235 filed November 20, 1967.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims. No drawings.

Process for the preparation of monovalent or polyvalent inactivated viral suspensions of human, equine, porcine or fowl influenza viruses or vaccines containing them which comprises cultivating in the allantoic cavity of the embryonated chicken egg one or more strains of one or other of said viruses, separating the allantoic liquid containing the virus by suction, purifying the viral suspension so obtained by centrifugation, and treating a purified suspension of the virus by adding diethyl ether or ethyl acetate and stirring the mixture at a temperature of from 0° to 5°C., to inactivate the virus and to maintain the neuraminidase activity of the virus, if desired mixing two or more monovalent inactivated viral suspensions thus obtained to produce a polyvalent inactivated viral suspension, and optionally emulsifying the monovalent or polyvalent inactivated viral suspensions thus obtained with one or more vegetable or mineral oils or hydrophilic natural triglycerides and an emulsifying agent to obtain a vaccine.

CLASS 55E & 144A, I.C.-A61K 21/00, B44d 1/00. 117427. PROCESS OF COATING PENICILLINS.

BRISTOL-MYERS COMPANY, AT THOMPSON ROAD, EAST SYRACUSE, NEW YORK, UNITED STATES OF AMERICA.

Application No. 117427 August 26, 1968.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 Claims.

A process of coating a penicillin selected from ampicillin, hetacillin, nafcillin, oxacillin, cloxacillin, dicloxacillin and flucloxacillin, and mixtures thereof; which process comprises suspending micronized particles of the penicillin in a solution comprising ethylcellulose and a pharmaceutically acceptable wax in an inert volatile organic solvent, spray drying said suspension and recovering the coated penicillin particles thereby produced.

CLASS 32G & 55F, I.C.-A61K 9/00, 15/02, 15/10, A61K15/12.

118952.

IMPROVEMENTS IN PROCESS FOR THE PRODUCTION OF PHARMACEUTICAL PREPARATIONS AND STABILIZATION OF VITAMINS.

5 Claims.

Process for the preparation of compounds of the formula 1.

$$\begin{array}{c}
 \text{R}^1 \\
 | \\
 \text{R}-\text{N}-\text{CH} \\
 | \quad | \\
 \text{R}^4-\text{N}-\text{CH}-\text{R}^2 \\
 \quad | \\
 \quad \text{C} \\
 \quad || \\
 \quad \text{NH}
 \end{array}$$

wherein R stands for an optionally substituted alkyl group, an optionally substituted cycloalkyl group, and optionally substituted aralkyl group or an optionally substituted aryl group; R¹ and R² stand for hydrogen, an optionally substituted alkyl group or an optionally substituted aryl group; R* stands for hydrogen or the acid radical of an organic carboxylic acid) and salts thereof, which comprises treating a compound of the formula II.

124360.

$$\begin{array}{ccccccc}
 & & R^1 & R^2 & & & \\
 & & | & | & & & \\
 R - N - & C & - CH - & C & - N & & \\
 | & | & & || & || & & \\
 R^5 & H & & N & O & C - R^3 & \\
 & & & & & & \\
 & & & & & &
 \end{array}$$

or a salt thereof (wherein R, R' and R^u have the same meaning as stated above; R^z stands for an optionally substituted alkyl group, an optionally substituted aralkyl group or an optionally substituted aryl group and R³ is hydrogen or acyl) with a base and if desired converting a product thus obtained into a salt thereof or setting free a compound of the formula I form its salt by conventional methods.

CLASS 40-1 & 128-G. I.C.-G01n 33/16, 33/02, 33/14.

128757.

A METHOD FOR THE PREPARATION OF A TEST
DEVICE FOR DETECTING GLUCOSE IN BODY
FLUIDS.

MILES LABORATORIES, INC., AT 1127, MYRTLE STREET, ELKHART, INDIANA, UNITED STATES OF AMERICA.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

A method for the preparation of a test device for detecting glucose in body fluids which comprises incorporating a bibulous carrier matrix such as herein described with an aqueous solution containing glucose oxidase, a substance having peroxidative activity, and a water soluble iodide salt, drying said carrier matrix, coating said carrier matrix with an organic solvent solution of a hydrophobic film forming material, and drying said carrier matrix to form a semi-permeable film thereon.

CLASS 32F₄ b. 55E₄. I.C.-C07C 157/00, 157/02. 129041.

PROCESS FOR THE PREPARATION OF THIO UREAS.

SMITH KLINE & FRENCH LABORATORIES LIMITED,
OF MUNDELLS, WELWYN GARDEN CITY, HERTFORD-
SHIRE, ENGLAND.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

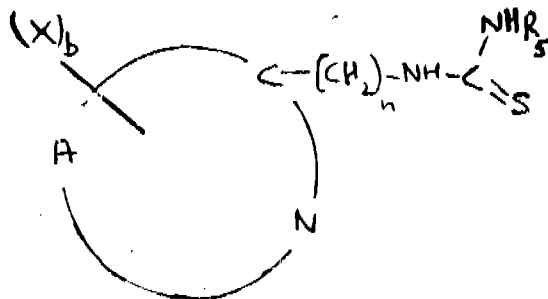
Application No. 129041 filed October 28, 1970

Post dated April 28, 1971.

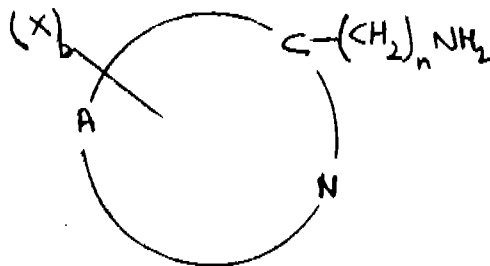
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

1 Claim.

A process for the production of compounds of formula VI of the drawings accompanying the Provisional Specification.



wherein A is such that there is formed together with the carbon and nitrogen atoms shown an unsaturated heterocyclic basic nucleus having five or six atoms; X is hydrogen, amino, lower alkyl or lower alkylthio; b is at least 1; n is from 2-5 and R₃ is hydrogen, aralkyl group containing from 1-4 carbon atoms, aryl, aralkyl or benzoyl, wherein an amine of Formula V.



wherein A, X b and n have the same significance as set out above, is reacted with an isothiocyanate of formula R₃NCS wherein R₃ is an alkyl group containing 1-4 carbon atoms, aryl, aralkyl or benzoyl.

CLASS 32F₁ + F_{3a} + F_{3b}. I.C.-C07C 131/00. 129197.

PROCESS OF PREPARING CARBAMOYL OXIMES.

USV PHARMACEUTICAL CORPORATION, OF 800 SECOND AVENUE, NEW YORK, STATE OF NEW YORK, UNITED STATES OF AMERICA.

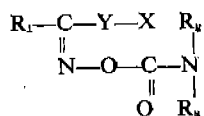
Application No. 129197 filed November 12, 1970.

Addition to No. 117884.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims. No drawings.

A process of preparing compounds of the formula :



wherein R₁ is phenyl, or chlorophenyl, naphthyl, pyridyl, furyl or thienyl;

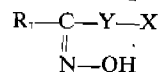
Y is ethylene;

X is d-(C₁-C₆ alkyl) amino or pyrrolidino;

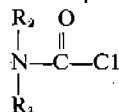
R₃ is ethyl or allyl when R₁ is 4-methoxy-phenyl, or di-(C₁-C₆ alkyl) aminophenyl; and

R₂ is phenyl or 4-methoxyphenyl when R₃ is 4-methoxy phenyl,

and the pharmaceutically acceptable salts thereof, characterized by reacting an oxime of the structure



with a compound selected from



to give a compound of formula I, wherein R₁, R₂, R₃, X and Y are as defined above, and, when required, forming by conventional methods the pharmaceutically acceptable salts thereof.

CLASS 32C. I.C.-C12d 13/10.

131105.

IMPROVEMENTS IN THE PROCESS FOR THE PREPARATION OF AMYLOGUCOSIDASE.

HINDUSTAN ANTIBIOTICS LTD., PIMPRI, POONA-18, MAHARASHTRA, INDIA.

Application No. 131105 filed April 24, 1971.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims. No drawings.

A process for the production of amyloglucosidase in which a new variety of *Aspergillus candidus*, variety *aureus*. Strain No. N.C.L. (M 1020) H.A.C.C. A. 32 or natural or artificial variant or mutant thereof is subjected to aerated submerged culture in a medium containing starch and mineral and an inorganic or organic nitrogen source.

CLASS 189. I.C.-A61K 19/00.

133042.

COSMETIC COMPOSITIONS CONTAINING AMINO-POLYUREYLENE RESIN FOR IMPROVING THE CONDITION OF THE HAIR OR SKIN.

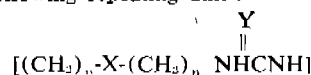
COLGATE-PALMOLIVE COMPANY, AT 300, PARK AVENUE, NEW YORK, 10022, NEW YORK, UNITED STATES OF AMERICA.

Application No. 133042 filed September 24, 1971.

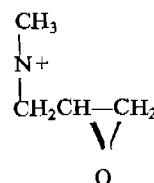
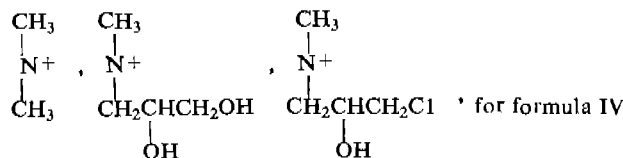
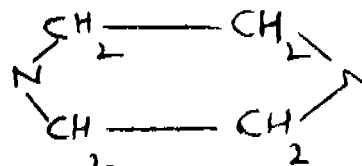
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims.

A cosmetic composition for improving the condition of the hair, skin which consists essentially of (I) 0.05% to 10% by weight of a watersoluble aminopolyurea resin having a molecular weight in the range of about 300 to 100,000 and having the following repeating unit :



wherein X is NH, N-C₁ to C₂₂ alkyl, formula III.



Y is O or S, and n is 2 or 3

and (ii) 90 to 99.95% by weight of a compatible, nontoxic cosmetic vehicle which includes a material selected from the group consisting of 5% to 99% by weight of a water-soluble synthetic organic detergent, 0.5 to 65% by weight of a substantially nonvolatile organic hair grooming agent containing a hydroxyl group and having a molecular weight over 75, said amounts being based upon the weight of the composition.

CLASS 10F. I.C.-F42b 27/00. 138192.

EXPLOSIVE PROJECTILE.

ETABLISSEMENT SALGAD, OF VADUZ, LIECHTENSTEIN.

Application No. 384/Cal/73 filed February 20, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

An explosive projectile, in which there are provided, separately from the explosive charge, fragments, e.g. balls, metal pieces and the like, characterised in that the projectile (1) has an inner generally tubular casing (6) of steel, metal or the like, containing the explosive charge (6'), and surrounded by a plastics body (8) in which the fragments (7) are embedded, the peripheral surface of the plastics body (8) forming the outer surface of the projectile body (1), and that the plastics body (8) has, on or near the peripheral surface, a continuous surrounding layer (9) of a fleece or net of fibres or the like.

CLASS 83A. I.C.-C12C 11/18, 11/20. 138193.

A PROCESS FOR MANUFACTURE OF FOOD AND PHARMACEUTICAL GRADE DRY YEAST FROM MOLASSES.

COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

Application No. 1948/72 filed November 21, 1972.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims. No drawings.

A process for the production of food and pharmaceutical grade dry yeast which consists in cultivating yeast on clarified molasses followed by separating, washing and drying of the cell biomass; which is characterized in growing the yeast *Torulopsis famate* PRL 27 or *Candida utilis* PRL 53 in fermentor at $29 \pm 1^\circ\text{C}$ and at pH 5.0, splitting the total molasses feed in eight equal parts for feeding at regular intervals and contacting the cells with water at 50° before drying.

CLASS 55A+D. I.C.-C05g 3/02. 138194.

PROCESS FOR PREPARING A PESTICIDAL COMPOSITION.

HOECHST AKTIENGESELLSCHAFT (FORMERLY KNOWN AS FARBERWERKE HOECHST AKTIENGESELLSCHAFT VORMALS MEISTER LUCIUS & BRUNING), FORMERLY OF 45, BRUNINGSTRASSE, FRANKFURT/MAIN BUT NOW OF 6230, FRANKFURT/MAIN, FEDERAL REPUBLIC OF GERMANY.

Application No. 1058/Cal/73 filed May 5, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims.

A process of preparing a pesticidal composition which comprises admixing endosulfan with 2-sec. butyl-phenyl-N-methylcarbamate.

CLASS 24D₂ + D₃. I.C.-B60f 8/00.

138195.

BLENDED VALVE DEVICE FOR COMBINING FLUID PRESSURE AND DYNAMIC BRAKES.

WESTINGHOUSE AIR BRAKE COMPANY, AT PITTSBURGH, STATE OF PENNSYLVANIA, UNITED STATES OF AMERICA.

Application No. 79/Cal/74 filed January 11, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 Claims.

A blending valve device for regulating a fluid pressure actuated friction brake such that the combined friction and dynamic brake effort corresponds to a brake command signal, said blending valve device comprising:

(a) a control lever having a fulcrum member intermediate its ends;

(b) means for adjusting the position of said fulcrum member to vary the ratio of said lever;

(c) drive means for exerting a first moment on said lever to effect rocking thereof in one direction;

(d) first means for exerting a second moment on said lever to counteract said first moment, said second moment varying inversely with said brake command signal;

(e) second means for exerting a third moment on said lever to counteract said first moment, said third moment varying in direct proportion with the degree of brake effort provided by said dynamic brake; and

(f) valve means for providing said friction brake actuating fluid pressure, when said lever is rocked in said one direction, in accordance with a reduction of the counteracting effect on said drive means.

CLASS 24D₁ & 195B. I.C.-B60f 15/00.

138196.

EMPTY/LOAD CONTROL VALVE APPARATUS.

WESTINGHOUSE BRAKE AND SIGNAL COMPANY LIMITED, OF 3, JOHN STREET, LONDON, WC1N 2ES, ENGLAND, FORMERLY OF 82 YORK WAY, KING'S CROSS, LONDON, N1, ENGLAND.

Application No. 165/Cal/74 filed January 24, 1974.

Convention date February 16, 1973/(7635/73) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

An empty load fluid pressure control valve apparatus including a brake pressure input port a brake cylinder pressure output port and a port for connection to an enclosure providing an extra volume, cut-off valve means connected between the brake pressure input port and the brake cylinder output port and operable by a differential pressure responsive means responsive in operation to the pressure of the extra volume port predominating over the brake pressure at the input port to close the cut off valve, a further valve controlled by fluid pressure applied from an empty-load sensing device to hold closed a communication which otherwise is provided between the brake cylinder output port and the extra volume port for a loaded condition.

CLASS 34D. I.C.-C08b 15/04.

138197.

IMPROVEMENTS IN OR RELATING TO THE MANUFACTURE OF SODIUM CARBOXY METHYL CELLULOSE.

GUJCHEM DISTILLERS INDIA LIMITED, FORMERLY KNOWN AS SARDESAI BROTHERS LIMITED, AT BILI-MORA 396380 DIST. VALSAD, GUJARATH, INDIA.

Application No. 149/Bom/72 filed December 19, 1972.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

2 Claims. No drawings.

A process for the manufacture of water soluble sodium carboxy methyl cellulose having a degree of substitution of at least 0.5 by reacting cellulose, alkali and etherifying agent in the suspension medium of ethyl alcohol characterised in that the said reaction mixture viz. alkali and etherifying agent in ethyl alcohol is continuously circulated over and through the cellulosic material placed upon a static bed, preferably a perforated static bed in which;

the minimum molar ratio of cellulose to alkali is 1 : 1.7 to 3.2;

the minimum molar ratio of cellulose to etherifying agent is 1 : 0.8 to 1.7;

the minimum ratio in weight of cellulose to ethyl alcohol is 1 : 3 to 6.; and

the concentration of alkali with respect to the total amount of water contained in the reaction mixture is of the order of 40 to 50% (W/W).

CLASS 8, 44, 69-I & 97F. I.C.-G04C 23/00. 138198.

A CLOCK-CUM-TIMER DEVICE.

LAXMAN VENKATESH TANNIR, KAMATHIKORA 7TH LANE, HOUSE NO. 38 (ROOM NO. 1), BOMBAY-8, MAHARASHTRA, INDIA.

Application No. 50/Bom/73 filed February 9, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

8 Claims.

A Clock-cum-timer device comprising a pair of electrical contact members mounted on the cover plate of the clock mechanism and in the proximity of the hour-wheel; a spacer means of an insulating material provided between said electrical contact members, said spacer means being mounted on a toothed wheel and rotatable therewith so that when rotated into one position it allows the contact members to close and when rotated into another position it breaks the electrical contact between said contact members; a spring-loaded main lever means provided in the proximity of said spacer means for turning said toothed wheel through a distance corresponding to one tooth so that said spacer means is rotated from said one position into said another position or *vice-versa*; a first gear wheel coupled to a manual control and provided with at least one engagement pin for moving said lever means to operate said spacer means, and with an indicator hand which is adapted to move over a time dial provided on a second gear wheel, said second gear wheel being coupled to said hour wheel so that the normal operation of the clock causes said second gear wheel to turn and activate said main lever means by said engagement pin and being axially mounted on said first gear wheel and spring loaded in relation thereto so that as said second gear wheel turns with time said first gear wheel rotates therewith and when said first gear wheel is rotated manually said second gear wheel remains stationary; said pair of electrical contact members being connected in series with power input terminals and with power output terminals so that electrical power is fed to electrical appliances connectible to said power output terminals the moment the electrical contact members close.

CLASS 26 & 197. I.C.-A47I 13/20, 13/58.

138199.

FLOOR CLEANING EQUIPMENT.

ERIC FRANCIS VAZ, 2 WARODA ROAD, BANDRA, BOMBAY-50, MAHARASHTRA STATE, INDIA.

Application No. 57/Bom/73 filed February 15, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

3 Claims.

Floor cleaning equipment consisting of a bucket and a mop wherein the bucket is fitted near the top with another small bucket like conical container and the inside of the said container is provided with several longitudinal ribs along its inner surface and several drainage holes on the wall in between successive ribs and the mop consists of twisted cotton waste fibres, looped and firmly fitted at one end of a long wooden stick, wherein the said fibres are knotted at their extremities to prevent opening of the twist.

CLASS 40E & 139-D. I.C.-C01b 1/00.

138200.

METHOD FOR THE PURIFICATION OF MERCURY CONTAINING GASES, PARTICULARLY HYDROGEN.

NATIONAL ORGANIC CHEMICAL INDUSTRIES LIMITED, MAFATLAL CENTRE, NARIMAN POINT, BOMBAY-1 (BR), MAHARASHTRA, INDIA.

Application No. 69/Bom/73 filed February 26, 1973.

Appropriate office for opposition Proceedings under (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

8 Claims.

Method for the purification of mercury containing gases, particularly hydrogen, which comprises leading the mercury containing gases through a bed containing ethylene oxide-silver catalyst.

CLASS 32E. I.C.-C08K 1/30.

138201.

IMPROVEMENTS IN OR RELATING TO THE PRODUCTION OF OIL-WELL CEMENT ADDITIVE.

COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

Application No. 2233/72 filed December 27, 1972.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

1 Claim.

A process of making oil-well cement additive which consists in sulphonating phenol with concentrated sulphuric acid in equimolecular proportion initially at a temperature of 100°C for 3 hours and finally at 120°C for four hours after prior addition of an additional quantity of 0.2 moles of sulphuric acid per mole of phenol to have predominantly para sulphonic acid followed up by dilution of the sulphonated product with 1 : 0.5 w/v ratio of sulphonic acid and water respectively and extraction with benzene to remove the unreacted phenol and polymerisation of the phenol free sulphonic acid with 0.9-1.08 mole of formaldehyde per mole of sulphonic acid at a temperature of 95-100°C with constant stirring and reflux for 36-40 hours and finally neutralization of the water soluble polymer with sodium hydroxide.

CLASS 32E. I.C.-C08G 20/32.

138202.

A PROCESS FOR PRODUCING A FIBRE-FORMING POLYAMIDE.

UNION CARBIDE CANADA LIMITED, OF 123 EGLINTON AVE. EAST, TORONTO, ONTARIO, CANADA.

Application No. 177/Cal/73 filed January 25, 1973.

Convention date February 21, 1972/(135,222) Canada.

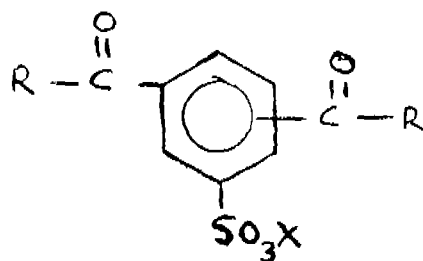
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A process for producing a fibre-forming polyamide having improved basic dye receptivity and reduced acid dye receptivity, which process comprises:

(a) melt polymerizing

(1) a compound of the formula II.



wherein R is OH, Cl, OCH₃ or OC₂H₅ and X is Li, Na, K, or NH₄

and wherein the $\begin{smallmatrix} \text{O} \\ \parallel \\ -\text{C}-\text{R} \end{smallmatrix}$ groups are not ortho relative to each other, with

(2) a compound selected from the group consisting of isophthalic acid terephthalic acid and their polyamide-forming derivatives, and

(3) a compound selected from the group consisting of a monoamino-monocarboxylic acid having from 2 to 12 carbon atoms, a lactam of said monoaminomonocarboxylic acid and an aliphatic dicarboxylic acid having from 2 to 12 carbon atoms, and a polyamide forming derivative of said aliphatic dicarboxylic acid, the amount of compound (2) plus the amount of compound (3) being from 1.0 mole to 9.0 moles per mole of compound (1), with at least 0.25 moles being of compound (2), and hexamethylene diamine in an amount equal to the mole equivalent of compound (1) plus compound (2), and plus compound (3) when compound (3) is an aliphatic dicarboxylic acid or its polyamide forming derivative, to produce a polyamide intermediate having from 10 mole percent to 50 mole percent of sulphonate units based on the recurring units of the polymer, and

(b) blending and melt-extruding said polyamide intermediate with normal fibre-forming polyamide in an amount sufficient to produce a fibre-forming polyamide having from 20 to 100 sulphonate gm. equivalents per 10⁶ grams of total polyamide and from 35 to 80 amine gm. equivalents per 10⁶ grams of total polyamide.

CLASS 32C. I.C.-C12d 9/00, 9/14, 9/22, C12k 1/00, 1/04,

138203.

PROCESS FOR THE PRODUCTION OF ANTIBIOTIC XK-49-1-B-2.

2-397 GJ/75

KYOWA HAKKO KOGYO CO., LTD., OF 6-1, OHTE-MACHI ITCHOME, CHIYODA-KU, TOKYO, JAPAN.

Application No. 2045/Cal/73 filed September 6, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A process for the production of the antibiotic XK-49-1-B-2 having the characteristics;

(a) Elementary analysis: C: 32.13%, N: 14.20%, H: 6.34% and Cu: 3.4%.

(b) Ultra violet spectrum (water) with absorption maxima at 244 mμ and 293 mμ.

(c) Infrared spectrum

with major peaks at the following wavelengths (cm⁻¹): 3400, 3200 (Sh), 2950 1720, 1655, 1635, 1580-1550, 1520-1510 (sh), 1460, 1250, 1050, 1010, 980 (Sh).

(d) Ratio of the absorbancy at 244 mμ to that at 293 mμ in the ultraviolet absorption (water): 1.34.

(e) Color reaction: positive in Sakaguchi, Pauli and Ehrlich test; negative in ninhydrin test.

(f) Paper chromatography: R_f values as shown in Table 4. (not reproduced here).

(g) Silica gel thin layer chromatography: R_f values as shown in Table 5. (not reproduced here):

and its hydrochloride which comprises; culturing a micro-organism belonging to the genus Streptosporangium, which is capable of producing XK-49-1-B-2, in a nutrient medium such as herein described; accumulating the antibiotic XK-49-1-B-2 in the culture liquor; and thereafter recovering the antibiotic XK-49-1-B-2 therefrom, and if desired converting said antibiotic into its hydrochloride by treatment with hydrochloric acid.

CLASS 32F_b & 55E. I.C.-C07d 51/78.

138204.

PROCESS FOR THE PREPARATION OF METHYL-3-(2-QUINOXALINYLMETHYLENE) CARBAZATE N¹, N⁴-DIOXIDE.

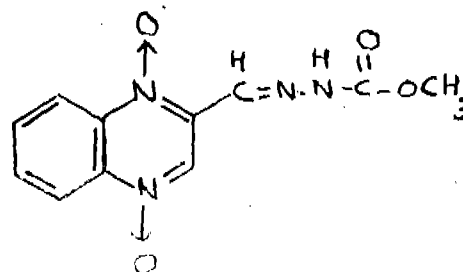
PFIZER INC., OF 235 EAST 42ND STREET, NEW YORK 17, STATE OF NEW YORK, UNITED STATES OF AMERICA.

Application No. 138204 filed March 18, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

A process for the preparation of methyl 3-(2-quinoxalinylmethylene) carbazate N¹, N⁴-dioxide, of the formula I.



which comprises contacting a 2-quinoxalinecarboxaldehyde N¹, N⁴-dioxide derivative with at least about an equimolar proportion of a carbazate in reaction-inert solvent in the presence of

strong acid catalyst, at a temperature of from about 30 to 200°C. until reaction is substantially complete, said derivative being selected from the nitron, acetal, oxide, semicarbazone and thiosemicarbazone derivatives of 2-quinoxalinecarboxaldehyde dioxides; and said carbazate being selected from methyl carbazate and the methyl 3-lower alkylidene-, -cyclopentylidene-, -cyclohexylidene-, and -benzylidene-carbazates, with the proviso that when said derivative is acetal said carbazate is not methyl carbazate.

CLASS 32F_{2a}, I.C.-C07C 61/20, 101/38.

138205.

PROCESS OF PREPARING CYCLOPENTENE DERIVATIVES.

AMERICAN HOME PRODUCTS CORPORATION, OF 685 THIRD AVENUE, NEW YORK-10017, NEW YORK, UNITED STATES OF AMERICA.

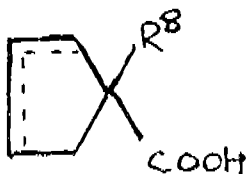
Application No. 1499/Cal/74 filed July 4, 1974.

Division of Application No. 123929 filed November 7, 1969.

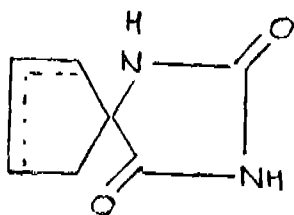
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A process for the preparation of a compound of the formula I.



wherein the dotted line indicates a double bond in one of the two designated positions and R^8 is an amino lower alkyl amino or phen (lower) alkyl amino group, wherein a compound of the formula III.



wherein the dotted line has the meaning given above is hydrolysed under acidic or basic conditions and, where R^8 is lower alkyl-amino or phen (lower) alkylamino, the amino acid obtained as hydrolysis product is alkylated to introduce the lower alkyl or phen (lower) alkyl group by optional treatment of the said amino acid with an arylsulphonyl halide to form a sulphonamide, treatment of the said amino acid or sulphonamide with an alkylating agent and, where a sulphonamide has been formed, hydrolysis of the alkylated sulphonamide under acidic conditions.

CLASS 32F₁ + F_{2b} & 55E₁, I.C.-C07d 87/54.

138206.

PROCESS FOR THE PREPARATION OF OXAZEPINE DERIVATIVES.

CIBA-GEIGY OF INDIA LIMITED, OF AAREY ROAD, GOREGAON EAST, BOMBAY-63, MAHARASHTRA STATE, INDIA, AN INDIAN SUBSIDIARY OF THE SWISS COMPANY CIBA-GEIGY LIMITED, BASLE, SWITZERLAND.

Application No. 296/Bom/74 filed August 16, 1974.

Division of Application No. 108354 filed December 8, 1966.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

25 Claims.

Process for the preparation of 10-aminoalkyl-11-X-10, 11-dihydrodibenzo [b,f] [1,4] oxazepine, in which X represents two hydrogen atoms or an oxo group, and the amino group is separated from the ring nitrogen atom by at least 2 carbon atoms and which contain in at least one of the benzo rings a nitro group, or salts thereof, which comprises reacting a 10-aminoalkyl-11-X-10, 11-dihydro-dibenzo [b,f] [1,4] oxazepine, in which the amino group is separated from the ring-nitrogen atom by at least 2 carbon atoms, with a nitrating reagent capable of introducing a nitro group into a benzo ring and, if desired, converting in a known manner as herein described in a resulting compound an aminoalkyl group into another aminoalkyl group, and/or, if desired, converting in a known manner as herein described a resulting compound into a salt or a resulting salt into the free compound or into another salt, and/or, if desired, converting in a known manner as herein described a resulting mixture of isomers into other isomers.

CLASS 32F₁ + F_{2b} & 55E₁, I.C.-C07d 87/54.

138207.

PROCESS FOR THE PREPARATION OF OXAZEPINE DERIVATIVES.

CIBA-GEIGY OF INDIA LIMITED, OF AAREY ROAD, GOREGAON EAST, BOMBAY-63, MAHARASHTRA STATE, INDIA, AN INDIAN SUBSIDIARY OF THE SWISS COMPANY CIBA-GEIGY LIMITED, BASLE, SWITZERLAND.

Application No. 295/Bom/74 filed August 16, 1974.

Division of Application No. 108354 filed December 8, 1966.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

27 Claims.

Process for the preparation of 10-aminoalkyl-11-X-10, 11-dihydrodibenzo [b,f] [1,4] oxazepine, in which X represents two hydrogen atoms or an oxo group, and the amino group is separated from the ring nitrogen atom by at least 2 carbon atoms and which contain in at least one of the benzo rings a nitro group, or salts thereof, which comprises ring-closing in a known manner as herein described an N-(aminoalkyl)-N-(α -X- α' -X^a-benzyl)-X^b-aniline in which the amino group is separated from the aniline-nitrogen by at least two carbon atoms and at least one of the benzo-rings carries a nitro group, and in which one of the groups X^a and X^b is a hydroxyl group and the other is a residue capable of forming an ether grouping together with the phenolic hydroxyl group, or a functional phenol-derivative thereof, and, if desired, converting in a known manner as herein described in a resulting compound an aminoalkyl group into another aminoalkyl group, and/or, if desired, converting in a known manner as herein described a resulting compound into a salt or a resulting salt into the free compound or into another salt, and/or, if desired, converting in a known manner as herein described a resulting mixture of isomers into other isomers.

CLASS 24D₁ + D₂ + D₁ & 102B + D, I.C.-B60t 15/00.

138208.

HYDROSTATIC TRANSMISSION SPEED CONTROL SYSTEM.

MASSEY-FERGUSON SERVICES N.V., EA, CURACAO, NETHERLANDS, ANTILLES.

Application No. 1688/72 filed October 20, 1972.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

A speed control apparatus for controlling a hydrostatic transmission over a range of speed conditions including a zero

speed condition comprising a hydrostatic drive and an output shaft operable in said range characterized by a hydraulic braking circuit selectively energizable upon actuation of said transmission to zero speed condition for applying braking pressure to said shaft.

CLASS 24D, + D₂ + D₃ & 102B + D. I.C.-B60t 15/00.

138209.

HYDROSTATIC TRANSMISSION SPEED CONTROL SYSTEM.

MASSEY-FERGUSON SERVICES N.V., ABRAHAM DE VEERSTRAAT 7A, CURACAO, NETHERLANDS ANTILLES.

Application No. 1762/Cal/74 filed August 5, 1974.

Division of Application No. 1688/72 filed October 20, 1972.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims.

A relief valve assembly comprising a main housing having a high pressure chamber and a low pressure chamber, characterized by a two stage valve assembly controlling communication between said high and low pressure chambers, and a pressure port for connecting said two stage valve assembly with a control pressure, said two stage valve assembly having high resistance to relieving said high pressure chamber in the absence of pressure at said pressure port, and having low resistance to relieving said high pressure chamber when pressure is applied through said port, the said two stage valve assembly comprising a housing formed with a wall intermediate the ends thereof, a valve port in said housing on one side of said wall, a hollow valve piston slidably mounted in said housing controlling said valve port a spring seated between said partition and said valve piston and biasing said valve piston to close said valve port, and means responsive to pressurization of said pressure port to reduce the force urging said valve piston to close said port.

CLASS 32B & 40B. I.C.-B01j 11/06.

138210.

PROCESS FOR THE PRODUCTION OF CATALYTIC COMPOSITIONS SUITABLE FOR USE IN THE AMMOXIDATION OXIDATION AND OXIDATIVE DEHYDROGENATION OF OLEFINS.

SNAM PROGETTI S.P.A., OF 16, CORSO VENEZIA, MILAN, ITALY.

Application No. 1445/Cal/73 filed February 28, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims. No drawings.

A process for producing a mixture of tellurium and titanium in the form of their oxides, wherein the atomic ratio of tellurium to titanium is in the range from 10:1 to 1:5 and wherein the composition is free or substantially free of molybdenum and vanadium; which process comprises reacting tellurium telluric acid or tellurium oxide with titanium dioxide, titanium trichloride or titanium tetrachloride in such amounts that the ratio of tellurium to titanium falls within the specified range, and drying the reaction product.

CLASS 128-1. I.C.-A61h 31/00.

138211.

BREATHING DEVICE FOR EXPANDING THE LUNGS.

DR. MICHAEL JOHN O'CONNOR, OF 117 MAPLE ROAD, BALA CYNWYD, PENNSYLVANIA, COUNTY OF MONTGOMERY, UNITED STATES OF AMERICA, 19004.

Application No. 193/Cal/73 filed January 27, 1973.

Convention date July 27, 1972/(148,127) Canada.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims.

A breathing device through which an individual can repeat both the inhaling and exhaling phases of respiration comprising: (A) a closed container having a free volume of at least about 500cc for recovering and holding air (B) passageway means preferably including a mouthpiece through which air can be inhaled from said container and exhaled into said container by the individual; (C) air passage means communicating with the atmosphere through which air is admitted into said container and into and through said passageway means when air is inhaled from said container through said passageway means and through which air is expelled from said container when air is exhaled through said passageway means into said container; (D) air passage and valve means responsive to the individual's respiration for increasing the exhalation force needed to expel air from said container relative to the inspiratory force needed to inhale air into the container; and (E) air passage and valve means responsive to the individual's respiration for increasing the exhalation force needed to expel air from said container relative to the exhalation force that would be needed to expel air directly into the atmosphere; wherein the positional relationship of said passageway means and said air passage means is such that at the end of exhalation the container is filled predominately with exhaled air which upon inhalation is first inhaled from said container through said passageway means.

CLASS 5C. I.C.-A01d 35/00, 41/00, A01f 12/18. 138212.

DEVICE FOR MOWING AND THRESHING AGRICULTURAL CROPS.

H. VISSERS N.V., OF HOOFDWEG 1278, NIEUW-VENNEP, THE NETHERLANDS.

Application No. 893/Cal/73 filed April 16, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims.

A small mobile device for mowing and threshing agricultural crops, for example wheat, comprising a cutter bar mounted at the front of the supporting frame, viewed in the direction of movement, a threshing drum arranged behind said bar and conveyors for advancing the mown crop towards the drum and for conducting away therefrom the grain and the tailings respectively, characterized in that the mown-crop feeder and the delivery conveyor of the threshed grain are formed by a single, endless, closed belt which extends in the direction of length of the supporting frame away from the cutter bar beneath the threshing drum and the tailing-conducting conveyor as far as beyond the latter.

CLASS 134A & 168D. I.C.-B60q 1/00.

138213.

DIRECTION INDICATOR SYSTEMS FOR ROAD VEHICLES.

THE LUCAS ELECTRICAL COMPANY LIMITED, OF WELL STREET, BIRMINGHAM, ENGLAND.

Application No. 2110/Cal/73 filed September 15, 1973.

Convention date September 16, 1972/(43046/72) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

A direction indicator system for a road vehicle, comprising first and second terminals for connection in use to the left-hand and right-hand direction indicator lamps on the vehicle, a direction indicator switch having an off position and a pair of operative positions in which current can be supplied in use through the direction indicator switch to the left-hand and right-hand lamps respectively, a relay contact through which power is supplied to the switch when the contact is closed, and oscillator, a relay coil controlled by the oscillator and operating the relay contact to energise the lamps in use at the frequency of the oscillator, a pilot lamp connected in the circuit

so as to flash at the same rate as the selected direction indicator lamps, and switching means which is rendered conductive only when the direction indicator switch is in an operative position, the oscillator being coupled to the supply through said switching means so that the oscillator only starts to operate when the direction indicator switch is moved to an operative position the system further including means for changing the frequency of said oscillator if one or more of the selected direction indicator lamps fail.

CLASS 80F. I.C.-B01d 33/00.

138214.

IMPROVEMENTS IN FILTERS.

SPERRY RANK CORPORATION, OF CROOKS AND MAPLE ROADS, TROY, STATE OF MICHIGAN 48084, UNITED STATES OF AMERICA.

Application No. 2153/Cal/73 filed September 22, 1973.

Convention date March 22, 1973/(166797) Canada.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

A dynamic filter comprising a cylindrical casing having two terminal passages forming an inlet at one end and an outlet at the other end, a cylindrical rotor journaled in the casing a turbine disposed in the casing adjacent one end thereof for driving the rotor, a centrifugal pump disposed in the casing adjacent the other end thereof, said turbine and said pump being connected respectively to the terminal passages at the respective ends of the casing, the rotor having axial flow passages inter-connecting the pump and the turbine, and a contaminant particle trap forming the radially outer walls of the axial flow passages.

CLASS 163C. I.C.-F15b 5/00.

138215.

IMPROVEMENTS IN PUMPS.

SPERRY RANK CORPORATION, OF CROOKS AND MAPLE ROADS, TROY, STATE OF MICHIGAN 48084, UNITED STATES OF AMERICA.

Application No. 2154/Cal/73 filed September 22, 1973.

Convention date April 12, 1973/(168572) Canada.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

A pressure regulated variable delivery pump which is provided with hydraulic regulating means responsive to the pump outlet pressure for shifting a hydraulically shiftable member effective to vary the volumetric pumping capacity, and a multiphasic system opposing the outlet pressure applied to the regulating means and including a first spring acting directly on the regulating means, a second spring backing up the first spring, and dashpot means between the two springs effective to retard rapid movements of the second spring in backing up the first spring.

CLASS 99E. I.C.-B44d 3/12.

138216.

IMPROVEMENTS IN OR RELATING TO DUAL CONTAINERS.

THE METAL BOX COMPANY OF INDIA LIMITED, OF BARILOW HOUSE, 59C, CHOWRINGHEE, CALCUTTA-20, WEST BENGAL, INDIA.

Application No. 2698/Cal/73 filed December 11, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

A dual container of the kind described which has for its main parts an outer container having a body, a ring, a lid and a bottom and an inner container which also has a body, a ring, a lid and a bottom, wherein the lid of the outer container is pierced to provide an aperture having a skirt along its periphery, on which skirt the inner container is fitted by a press fit between the outside of the ring of the inner container and the inside of the skirt of the aperture on the lid of the outer container.

CLASS 129P + Q. I.C.-B23b 31/02.

138217.

CHUCK HEAD PARTICULARLY FOR POSITIONING OF TUBULAR SEMIPRODUCTS TO BE CONTINUOUSLY WELDED.

SIGMA LUTIN, NARODNI PODNIK, OF LUTIN, CZECHOSLOVAKIA.

Application No. 60/Cal/74 filed January 9, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

A chuck head particularly for positioning of tubular semi-products to be continuously welded, consisting of a supporting mandrel and chucking jaws, wherein the supporting mandrel (10) is provided with two centering pins (13, 14) and where the chucking jaws (20, 21) are tiltably mounted in the chucking head body (30).

CLASS 55B₃ + F & 197. I.C.-B67C 1/00, A61L 3/00. 138218.

IMPROVED APPARATUS FOR THE AUTOMATIC WASHING OF BOTTLES OR LIKE CONTAINERS.

CYANAMID INDIA LIMITED, NYLOC HOUSE, 254-D2, DR. ANNIE BESANT ROAD, P.O. BOX NO. 9109, BOMBAY-25 DD, MAHARASHTRA, INDIA.

Application No. 68/Bom/73 filed February 26, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

9 Claims.

Improved apparatus for the automatic washing of bottles or like containers comprising feed means for feeding successively, the bottles to be washed, guide means connected to the outlet end of the feed means adapted to receive each successive bottle from the feed means in upturned or inverted position, pusher means adapted to act through one end of the guide means to impel each successive bottle along within the guide means, the pusher means being actuated by a lever rod connected to a connecting rod which in turn is connected to an eccentric driven by a motor with a built-in gear unit, a plurality of nozzles located beneath the guide means in the path of the advancing inverted bottles each nozzle being adapted to deliver a strong upward jet of water, cleansing fluid, detergent or disinfectant which cleanses the insides of the advancing bottles, spray means provided above the guide means to provide a constant spray of water, cleansing fluid, detergent or disinfectant to cleanse the outer portions of the bottles, and outlet means connected to the opposite end of the guide means whereby the cleansed bottles slip out and are collected in a collecting means.

CLASS 73. I.C.-B41b 15/00.

138219.

DEVICE FOR CONTINUOUS ELECTROSTATIC FLOCKING OF WEB MATERIALS.

ELITEX—ZAYODY TEXTILNIHO STROJIRENSTVI, GENERALNI REDITELSTVI, LIBEREC, CZECHOSLOVAKIA.

Application No. 1168/Cal/73 filed May 18, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

Device for the continuous electrostatic pattern flocking and continuous electrostatic pattern flocking in combination with screen printing, particularly textile and similar materials, characterised in that said device is constituted by at least one unit (3) for applying a bonding agent on to a web material (B) to be processed and by at least one independently controllable electrostatic flocking device (12), which are arranged about the circumference of a central cylinder (2).

CLASS 131B. I.C.-E21C 3/00. 138220.

IMPROVEMENTS RELATING TO PERCUSSION DRILLS.

HALIFAX TOOL COMPANY LIMITED, OF SOUTH-OVRAM, HALIFAX HX3 9TW, YORKSHIRE, ENGLAND.

Application No. 2650/Cal/73 filed December 4, 1973.

Convention date January 9, 1973/(1142/73) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

A percussion drill comprising a drill body having a chuck adapted to hold the shank of a drill bit or drill steel for limited axial movement relatively to the drill body, a fluid pressure-operated hammer piston reciprocable in the drill body and adapted to deliver blows to the rear end of a drill bit or drill steel shank held by said chuck, and a central tube within said drill body and adapted to engage a drill bit or drill steel shank held by said chuck and to follow at least to a limited extent axial movement of the said shank in the chuck, said tube having an exhaust outlet and exhaust ports that are positioned to communicate with cylinder spaces in the drill body in accordance with the position of said hammer piston so as to control the reciprocation of the latter.

CLASS 24D. I.C.-B60t 15/00. 138221.

BRAKE CYLINDER RELEASE VALVES.

WESTINGHOUSE BRAKE AND SIGNAL COMPANY LIMITED, OF 3, JOHN STREET, LONDON, WC1N 2ES, ENGLAND, FORMERLY OF 82, YORK WAY, KINGS CROSS, LONDON N. 1, ENGLAND.

Application No. 77/Cal/74 filed January 11, 1974.

Convention date February 9, 1973/(06405/73) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

A brake cylinder release valve apparatus for interposing between a brake cylinder and a fluid operable brake control valve apparatus and including a fluid pressure input port and a fluid pressure output port, the input port communicating with one side of a pressure responsive member and via a normally open cut-off valve firstly with the output port and secondly via a restriction with the other side of the pressure responsive member the pressure responsive member being coupled with the cut-off valve such that in a brake cylinder releasing operation opening of a normally closed vent valve to vent the said other side of the pressure responsive member causes movement thereof to close the cut-off valve and also to cause venting of the output port.

CLASS 32C. I.C.-C07g 9/00.

138222.

A PROCESS FOR THE PRODUCTION OF ICHTHAMMOL FROM CRUDE OIL FRACTION.

COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-1, INDIA.

Application No. 1265/72 filed August 28, 1972.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims. No drawings.

A process for the production of Ichthammol from crude oil fraction which consists in sulphonating crude oil feed-stocks e.g., 180-350°C fraction of the petroleum crude oil containing high sulphur by treating with oleum (containing 20% sulphur trioxide) 15-30% v/v @ 50-100°C allowing the sludge to separate by settling; neutralising the sludge with ammonia; separating the ammonium salts; extracting with alcohol; filtering the extracts and finally distilling off the solvent.

CLASS 129F + G. I.C.-B21C 43/00.

138223.

A DEVICE AND A METHOD FOR SHAVING A CIRCUMFERENTIAL SURFACE OF A METAL WIRE ROD.

KOBE STEEL LTD., OF 3-18, 1-CHOME, WAKINO-HAMA-CHO, FUKUOKA-KU, KOBE, JAPAN.

Application No. 2501/Cal/73 filed November 14, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A method for shaving a circumferential surface of a metal wire rod, comprising the steps of drawing a starting wire rod, in turn, through a drawing or sizing die at a given reduction-of-area percentage, through a shaving die supported in a floating fashion and then through a guide die, whereby said shaving die is thereby maintained in a self-centering condition and a tension of a desired level is applied to the portion of said wire rod covering between said drawing die and said shaving die.

CLASS 60B & 76E. I.C.-A44b 19/00.

138224.

SLIDE FASTENER.

HERBERT ALBERTS, OF RUA CAPITAO LUIZ RAMOZ 312, SAO PAULO, BRAZIL.

Application No. 1074/Cal/73 filed May 8, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims.

A slide fastener assembly which comprises two mutually overlapping edge portions of flexible sheet elements, two stringers, two rows of engaging elements, the engaging elements of each row being secured to one of said stringers and spaced in the longitudinal direction of said stringers to define spaces of substantial length in which said stringer is exposed between adjacent engaging elements carried by it, each of said engaging elements comprises two engaging knobs and a bridge portion, which is disposed between said knobs and recessed from the outer ends thereof, said knobs and bridge portion of each engaging element protruding from and being aligned transversely to the stringer carrying them, said knobs having enlarged heads spaced from said stringer and stems connecting said heads to said stringer, each of said bridge portions having a rounded surface and being substantially flush with the associated stems transversely of said stringer, the two knobs and the bridge portion of each of said engaging elements defining a channel of given width, said knobs of each row being adapted to interengage with the knobs of the other row, and two sewing threads, each of which securing one of said stringers to one of

said edge portions and being supported by the channels defined by the knobs and bridge portions of the associated row and extending through the exposed portions of said stringer and having uncontacted portions which in said spaces extend generally longitudinally of and are spaced from the associated stringer and are disposed between and laterally engageable by said knobs of the other row when said knobs of both rows are thus interengaged to connect said edge portions and said bridge portion having transversely of said stringer a dimension which is approximately twice the diameter of said thread.

CLASS 90J, I.C.-C03b, 9/00.

138225.

A MOLD HOLDER FOR GLASSWARE FORMING MACHINE.

EMHART CORPORATION, OF 950 COTTAGE GROVE ROAD, BLOOMFIELD, CONNECTICUT, UNITED STATES OF AMERICA.

Application No. 2717/Cal/73 filed December 13, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

A mold holder for glassware forming machine comprising a pair of horizontal arms pivotally supported at one end on a vertical axis, a mechanism for operating said arms in forceful closing and opening movement toward and away from each other, the said arms being constructed and arranged so that each will support a plurality of glassware mold halves in spaced apart relationship along its length for engagement with complementary mold halves on the other arm in the forceful closing of the arms, characterized in that at least one mold half is relatively movable to the associated arm to permit movement of said mold half relative to said arm when it engages its complementary mold half in the forceful closing of the arms, and that at least one fluid pressure responsive means is movably supported by said arm in engagement with each said associated mold half, and said one arm defining a closed passage connecting all of its said pressure responsive means, said passage being substantially filled with fluid which is subjected to pressure by the said movement of the mold halves relative to such one arm and whereby all such pressure responsive means apply the same pressure in retaining the mold halves on said one arm in engagement with their complementary mold halves.

CLASS 61H & 62D, I.C.-D06f 43/00, 59/00.

138226.

PROCESS AND DEVICE FOR THE WET TREATMENT OR IMPREGNATION AND DRYING OF TEXTILE MATERIAL.

HOECHST AKTIENGESSELLSCHAFT, OF 6230 FRANKFURT/MAIN 80, FEDERAL REPUBLIC OF GERMANY.

Application No. 228/Cal/73 filed January 31, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

18 Claims.

A conventional process for wet treating or impregnating a fabric web of textile material respectively in a rinsing or washing liquor or with a conventional textile treating agent followed by drying the so treated material characterized by the improvement wherein the rinsing or washing liquor or textile treating agent includes an inflammable organic solvent and wherein the drying of the treated textile material is carried out in the local heat developed by igniting the organic solvent.

CLASS 34A, I.C. D01d.

138227.

PROCESS FOR THE MANUFACTURE OF DISCONTINUOUS FIBRILS.

SOLVAY & CIE, OF RUE DU PRINCE ALBERT 33, B-1050, BRUSSELS, BELGIUM.

Application No. 469/Cal/74 filed March 5, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

17 Claims.

Process for the manufacture of discontinuous fibrils by suddenly releasing the pressure acting on a two-phase mixture which comprises molten polymer and solvent and which is at a high temperature and a high pressure, in such a way as instantaneously to vaporise the solvent and to solidify the polymer, characterised in that the pressure acting on the two-phase liquid mixture is released by ejecting the mixture at high speed through an orifice in such a way as to form an ejection cone and in that the ejection cone is atomised.

OPPOSITION PROCEEDINGS

(1)

An opposition has been entered by Belpahar Refractories Limited to the grant of a patent on application No. 134035 made by Orissa Cement Limited.

(2)

An opposition has been entered by Belpahar Refractories Limited to the grant of a patent on application No. 136992, made by Orissa Cement Limited.

(3)

An opposition has been entered by Orissa Cement Limited to the grant of a patent on application No. 137210 made by Dr. Shyam Sundar Ghose.

PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted specifications are available for sale from the Officer-in-Charge, Government of India, Central Book Depot, 8, Hastings Street, Calcutta, at two rupees per copy :—

(1)

81049 82047 82598 86705 90506 93239 100112 100954
104669 105213 105289 105484 108134 111364 111801 114799
116251 117420 118241 120213 121179 121506 122752 122885
122886 122972 124152 125121 125844 128720 130478 130930
134830 135290 136154 136157 136165 136170

PATENTS SEALED

85132 109611 115123 119322 121287 122994 123815 129117
131439 133788 134650 136582 136598 136630 136655 136682
136697 136705 136706 136711 136735 136757 136769 136797
136799 136807 136814 136823 136825 136856 136879 136883
136895 136898 136915 136954 136969 136986

PATENTS DEEMED TO BE ENDORSED WITH THE WORDS "LICENCES OF RIGHT"

The following patent is deemed to have been endorsed with the words "Licences of right" under Section 87 of the Patents Act, 1970. The date shown in the crescent brackets is the date of the patent.

No.

Title of the invention

122717 (11-8-69) An improved process for reduction of minerals.

RENEWAL FEES PAID

74362 74363 74364 74365 74366 74367 74368 74400 74424
 74614 74700 74767 75123 79575 79611 79784 79802 79809
 79882 80000 80147 80448 80598 80599 80677 81154 82605
 85378 85389 85652 86028 86444 87133 90531 91024 91153
 91389 91581 91615 91708 91750 91784 91902 91922 92044
 92442 93006 93201 96721 96952 97148 97239 97309 97322
 97461 97583 97697 97763 97925 98084 98087 98506 98778
 98954 99806 100717 100790 102730 103045 103090 103091
 103103 103236 103272 103564 103726 103832 103923 104034
 104125 104808 105472 108003 108004 108182 108211 108248
 108302 108303 108404 108444 108446 108447 108823 109004
 109055 109098 109544 109549 109731 110125 110463 111255
 113417 113460 113461 113602 113738 113761 113904 114141
 114162 114177 114209 114297 114322 114471 114932 116200
 118401 118796 118826 118831 118832 118833 118838 118868
 118879 118930 118935 119006 119018 119028 119037 119038
 119075 119105 119106 119120 119168 119215 119216 119418
 119437 119635 119918 119919 119990 120036 120160 120169
 122460 123614 123801 124204 124245 124269 124270 124335
 124411 124412 124415 124451 124453 124494 124495 124557
 124560 124563 124565 124566 124741 124868 124964 125035
 125036 125037 125270 125309 125330 125508 125590 125947
 126130 126215 129478 129500 129557 129687 129715 129720
 129805 129851 129926 130011 130042 130085 130135 130352
 130579 131093 131094 131167 131313 131315 131316 131349
 131350 132662 133036 133369 133463 133464 133481 133789
 133823 133825 133832 133836 133861 133863 133878 133952
 133973 133988 133999 134002 134054 134070 134085 134105
 134150 134157 134176 134177 134228 134299 134391 134393
 134463 134464 134509 134538 134704 134768 134947 135319
 135392 135394 135696 135697 135698 135849 135898 136304
 136330 136364 136398 136508 136523 136535 136576 136589
 136599 136606 136672 136725 136745 136775 136802 136804
 136809 136816 136831 136835

RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 92553 granted to National Castings Company subsequently assigned to Midland-Ross Corporation for an invention relating to "Railway Vehicle Bogie". The patent ceased on the 2nd March, 1975 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 9th August, 1975.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 3rd March, 1976 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(2)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 104561 granted to Chandrakant Popatlal Shah for an invention relating to "Improved pump device for drawing

out liquids like oils, chemicals or acids or the like from a container or the like." The patent ceased on the 28th March, 1975 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 30th August, 1975.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 3rd March, 1976 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(3)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 116462 granted to Wasudeo Trimabak Kale, subsequently assigned to Rajkumar Rukhabdas Chaware for an invention relating to "Compact, portable and detachable cycle dynamo." The patent ceased on the 21st June, 1975 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 29th November, 1975.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 3rd March, 1976 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(4)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 128826 granted to Parvati Naraindas Shivadasani for an invention relating to "Improvement in or relating to process of manufacture of seamless solid tubes, pipes, hollow shafting and like". The patent ceased on the 3rd October, 1975 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 6th December, 1975.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 3rd March, 1976 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(5)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 135695 granted to Dr. Harbansh Bahadur Mathur for an invention relating to "A smokometer". The patent ceased on the 15th June, 1975 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 1st November, 1975.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 3rd March, 1976 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of the design included in the entry.

Class 1. Nos. 142884 to 142887. Liberty Industries. (An Indian proprietary concern) at C-12, Industrial Estate, Sanatnagar, Hyderabad-500018, Andhra Pradesh. Indian. "Photographic flash gun". April 11, 1975.

Class 1. No. 143066. Rajen Industrial Corporation, 95/205, Dadasheb Phalkc Road, Dadar, Bombay-400014, Maharashtra State (A Registered Indian Partnership Concern). Indian Nationals. "Domestic grinder cum mixers". May 28, 1975.

Class 1. No. 143151. Saiyed Ahmed, trading as Apex Instruments, Civil Hospital Road, Roorkee, Uttar Pradesh, Indian National. "Hatching machine". June 27, 1975.

Class 1. Nos. 143271 and 143272. Popular Metal Industry, 1260, Gali Jaman Wali, Kalan Mahal, Darya Ganj, Delhi-110006. A firm registered under the Indian Partnership Act, 1932. Indian Nationals. "Cigarette Lighter". July, 25, 1975.

Class 3. No. 143057. Prest-O-Lite, 104, Swami Vivekanand Road, Santa Cruz, West, Bombay-54, (Mahara-

shtra) a Proprietary firm. Indian National. "Combs". May 23, 1975.

Class 3. No. 143223. Dunlop Limited, Manufacturers, a British Company, of Dunlop House, Ryder Street, St. James's, London S.W.1., England. "Tyre for a vehicle wheel", February 14, 1975. (U.K.).

Class 4. No. 143054. Council of Scientific and Industrial Research, Rafi Marg, New Delhi-110001, India, an Indian Registered body incorporated under the Registration of Societies Act (XXI of 1860). "A solvent extractor". May 21, 1975.

Class 11. No. 143193. Vishindas Assardas & Sons, 79, Chakla Street, Bombay-400003, Maharashtra, an Indian Partnership firm. Indian Nationality. "Underwear". July 3, 1975.

COPYRIGHT EXTENDED FOR A SECOND PERIOD OF FIVE YEARS

Design Nos. 137501, 137924, 137925 & 138061 Class 1.

Design Nos. 134550 & 137542 Class 3.

Design No. 137304 Class 4.

COPYRIGHT EXTENDED FOR A THIRD PERIOD OF FIVE YEARS

Design No. 137501 Class 1.

COMMERCIAL WORKING OF PATENTED INVENTIONS

The following patents in the field of General & Mechanical Engineering Industry are not being commercially worked in India as admitted by the patentees in the statements filed by them under Section 146(2) of the Patents Act, 1970, in respect of Calendar year 1974 generally on account of want of requests for licences to work the patented inventions. Persons who are interested to commercially work the said patents may contact the patentee for the grant of a licence for the purpose.

Sl. Patent No. No.	Date of Patent	Name & address of the Patentee	Brief Title of the Invention
1	2	3	4
1. 72045	1-6-1960	Schlumberger Well Surveying Corporation, 5000 Guelf Freeway, Houston, Texas, U.S.A.	Apparatus for investigating earth formations
2. 72076	30-6-1960	The Metal Box Company of India Ltd, Barlow House, 59C Chowringhee Road, Calcutta-20.	Apparatus for setting up cartons.
3. 72630	20-7-1960	Schlumberger Well Surveying Corporation, 5000 Guelf Freeway, Houston, Texas, U.S.A.	Velocity logging apparatus.
4. 72863	3-8-1960	Do.	Fluid sampling apparatus.
5. 73122	24-8-1960	Shadan-Hyjin Nihon Plant Kyokai, of No. 1, Yurakucho, Chiyoda-ku, Tokyo, Japan.	High pressure reactor.
6. 73724	14-10-1960	Caterpillar Tractor Co., 100 N.E. Adams Street, Peoria, Illinois, 61629, U.S.A.	Ejector for loader buckets.
7. 74471	12-12-1960	Dainippon Printing Ink Manufacturing Co. Ltd., No. 3, Nihonbashi-Tori, 3-chome, Chuo-ku, Tokyo, Japan.	Photographic copying process.
8. 75360	14-2-1961	Schlumberger Well Surveying Corporation, 5000 Guelf Freeway, Houston, U.S.A.	Apparatus for investigating earth formation.
9. 75683	10-3-1961	Caterpillar Tractor Co., 100 N.E. Adams Street, Peoria, Illinois 61629, U.S.A.	Bulldozer blade mounting.
10. 77071	10-6-1960	Spirax-Sarco Ltd., 130/132 St. Georges Road, Cheltenham Gloucestershire, England.	Valve devices.
11. 78636	26-9-1961	Caterpillar Tractor Co., 100 N.E. Adams Street, Peoria, Illinois, 61629, U.S.A.	Push arm and mounting structure for tiltable-bulldozer blade.
12. 78637	Do.	Do.	Replaceable ripper tip.

1	2	3	4
13. 80629	6-2-1962	York Trailer Company Ltd., St. Mark's Road, Corby, Northamptonshire, England.	Road vehicles.
14. 80897	21-2-1962	Toyo Rayon Kabushiki Kaisha, No. 2, 2-chome, Nihon-bashi-Muromachi, Chuo-ku, Tokyo, Japan.	Woven fabric with open texture.
15. 81241	14-3-1962	Cardwell Westinghouse Company, 332 South Michigan Avenue, Chicago, Illinois, 60604, U.S.A.	Draft gear arrangement in railway cars.
16. 83226	11-7-1962	The Carborundum Company, 1625 Buffalo Avenue, Niagara Falls, Niagara County, State of New York, U.S.A.	Abrasive articles.
17. 83594	6-8-1962	Caterpillar Tractor Co., 100 N.E. Adams Street Peoria, Illinois, U.S.A.	Hydraulic circuit for tractor drawn scrapers.
18. 83595	6-8-1962	Do.	Hydraulic circuit for a tractor drawn implement.
19. 83676	18-8-1962	Do.	Hydraulic system for actuation of an earth moving scraper ejector.
20. 83706	14-8-1962	The Metal Box Company of India, Ltd., 590 Chowringhee Road, Calcutta-20.	Containers.
21. 84726	22-10-1962	Cardwell Westinghouse Company, 332 South Michigan Avenue, Chicago, Illinois, 60604, U.S.A.	Draft gears.
22. 85275	23-11-1962	Schlumberger Well Surveying Corporation, 5000 Guelf Freeway, Houston, Texas, U.S.A.	Well logging system.
23. 87920	13-5-1963	Craven Textile Patents Limited of Bank Chambers 1, Colne Lane, Colne in the county of Lancaster, England.	Brakes for warp let-off motions.
24. 88062	21-5-1963	Sumitomo Metal Industries Ltd. 15-5 Kitahama Higashi-ku, Osaka, Japan.	Air Spring.
25. 88211	30-5-1963	Trutzschler & Co. Duvenstr 82/92, Rheydt Odenkirchen, West Germany.	Feeder for a carding machine.
26. 90005	23-9-1963	Ronald Hirsch Marks, of 7800 Sovereign Row, Dallas, Texas, U.S.A.	Knitting strip elements.
27. 90323	15-10-1963	Toyo Sen-I Kabushiki Kaisha, No. 18, R-Chome, Marunouchi, Chiyoda-ku, Tokyo, Japan.	Processing bast fibres and draft cutting apparatus therefor.
28. 90683	6-11-1963	Caterpillar Tractor Co., 100 N.E. Adams Street, Peoria, Illinois, U.S.A.	Hydraulic circuit for control of earth moving scraper bowls.
29. 91007	26-11-1963	Cardwell Westinghouse Company, 332 South Michigan Avenue, Chicago, Illinois 60604, U.S.A.	Draft gear arrangement for mounting in the draft pocket of railway car frame.
30. 91034	20-4-1972	Aktiebolaget Separator, of 8 Fleminggatan, Stockholm, Sweden.	Heat treatment of a liquid.
31. 91381	18-12-1963	Acrow (Engineers) Ltd., of 8, South Wharf, Paddington, London, W. 2, England.	Firm work.
32. 92860	19-3-1964	Chiyoda Kako Kensetsu Kabushiki Kaisha, of 12, 3-chome, Tamachi, Akasaka, Minato-ku, Tokyo, Japan.	Water clarifying equipment.
33. 92914	23-3-1964	Caterpillar Tractor Co., of 100 N.E. Adams St., Peoria, Illinois 61629, U.S.A.	Differential for wheel vehicles.
34. 93104	2-4-1964	Chiyoda Kako Kensetsu Kabushiki Kaisha, of 12, 3-chome, Tamachi, Akasaka, Minato-ku, Tokyo, Japan.	Sealing means of floating cover for liquid storage tank.
35. 93250	9-4-1964	Toyo Sen-I Kabushiki Kaisha, of No. 18, 2-chome, Marunouchi, Chiyoda-ku, Tokyo, Japan.	Degummed bast fibres.
36. 93305	15-4-1964	Chiyoda-Kako Kensetsu Kabushiki Kaisha, of 12, 3-chome, Tamachi, Akasaka, Minato-ku, Tokyo, Japan.	Storage tank.
37. 93912	2-8-1963	Spirax-Sarco Limited, 130132 St. Georges Road, Cheltenham, Gloucestershire, England.	Steam traps.
38. 94053	22-10-1962	Cardwell Westinghouse Company, 332 South Michigan Avenue, Chicago, Illinois 60604, U.S.A.	Hydraulic cushioning element for draft cars.
39. 94054	2-6-1964	Do.	Hydraulic cushion.
40. 95017	3-8-1964	Indian Head Mills Inc., III West 40 Street, New York, New York, U.S.A.	Fabric.

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41. 95065	5-8-1964	Sparkler Manufacturing Co., 101 Cartwright Road, Conroe, Texas, U.S.A.	Filtering fluids.
42. 95179	12-8-1964	Metal Box Company of India Ltd., Barlow House, 59C Chowringhee Road, Calcutta-20.	Pilfer proof closures.
43. 96649	23-11-1964	Caterpillar Tractor Co., 100 N.E. Adams Street, Peoria, Illinois, U.S.A.	Tractor trailer combination.
44. 96650	23-11-1964	Do.	Bulldozer with adjustable stinger bit.
45. 97148	22-12-1964	Silika-Und Schamottefabriken Martin & Pagenstecher Aktiengesellschaft, of 31 Schanzenstrasse, Köln Mülheim, West Germany.	Refractory lined regenerated air heating stove.
46. 98567	22-3-1965	Plastics Kogyo Co. Ltd., No. 1366, 3-chome, Kamiakicho, Kawaguchi-city, Saitama, Pref., Japan.	Synthetic resin tubes.
47. 98963	12-4-1965	Cardwell Westinghouse Company, 332 South Michigan Avenue, Chicago, Illinois 60604, U.S.A.	Two way automatic slack adjuster.
48. 99613	19-5-1965	Chiyoda Kako Kenesetsu Kabushiki Kaisha, No.-12, 3-chome Tamachi, Akasaka, Minato-ku, Tokyo, Japan	Flame less radiant burner.
49. 99953	25-6-1964	James Mackie & Sons Ltd., Albert Foundry, Belfast 12, Northern Ireland.	Textile winding machines.
50. 100386	15-6-1965	Metal Box Company of India Ltd., Barlow House, 59C Chowringhee Road, Calcutta-20.	Pilfer proof closures.
51. 100351	30-6-1965	Plastex Ltd., 4 and 5 Westmoreland Street, Dublin, Ireland.	Faller bars for textile combing machines.
52. 100391	3-7-1965	Toshihiko Satake, of 2 of 687, Qaza, Saijyo Nigashi, Taijyo-cho, Kamogun, Hiroshima-Pref. Japan.	Method for preventing adhesion of floury material to the surface of the other object.
53. 102007	12-10-1965	Allen Davies & Company Ltd., of Knapps Lane, St. George, Bristol 5, England.	Improved package.
54. 102034	13-10-1965	Catterpillar Tractor Co., 100 N.E. Adams Street, Peoria, Illinois, U.S.A.	Diagonal bracing and bulldozer blade mounting.
55. 102057	14-10-1965	Do.	High pressure hydraulic base coupling assembly.
56. 102349	2-11-1965	Masayuki Takamori, of 5 of No. 281, Hiraoka-cho, Sakaishi Osaka-fu, Japan.	Structure for breaking waves.
57. 103292	3-1-1966	The Metal Box Company of India Ltd. Barlow House, 59C Chowringhee Road, Calcutta-20.	Pilferproof closures.
58. 104278	13-3-1965	Wright Rain Ltd., Crowe, Ringwood, Hampshire, England.	Pipe couplings.
59. 104622	29-3-1966	Monsanto Company, 800 North Lindbergh Boulevard, St. Louis, Missouri 63166, U.S.A.	Shaped articles.
60. 105195	10-5-1966	Caterpillar Tractor Co., 100 N.E. Adams Street, Peoria, Illinois, U.S.A.	Controlling vibrations between articulately connected vehicle components.
61. 106004	2-7-1965	Vickers Ltd., Vickers House, Millbank Tower, Millbank, London, N.W. 1, England.	Malting grain.
62. 107008	12-9-1966	Caterpillar Tractor Co., 100 N.E. Adams St., Peoria, Illinois 61629, U.S.A.	Self-loading scraper elevator mounting.
63. 107099	17-9-1966	The Metal Box Company of India Ltd. Barlow House, 59C Chowringhee Road, Calcutta-20.	Containers.
64. 107192	27-9-1966	Do.	Method of hermetically sealing a bottle or like container.
65. 107262	29-9-1966	Caterpillar Tractor Co., 100 N.E. Adams Street, Peoria, Illinois 61629, U.S.A.	Single pivot elevator mounting for self-loading scrapers.
66. 107694	27-10-1965	The Metal Box Company of India, Ltd. Barlow House, 59C Chowringhee Road, Calcutta-20.	Dispensing closures for containers.
67. 107832	4-11-1966	Caterpillar Tractor Co., 100 N.E. Adams St., Peoria, Illinois 61629, U.S.A.	Hose.
68. 103389	12-12-1966	Caterpillar Tractor Co., 100 N.E. Adams St., Peoria, Illinois 61629, U.S.A.	Stabilizing means for earth moving scrapers.

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69.	108585	26-12-1966	Caterpillar Tractor Co., 100 N.E. Adams Street, Peoria, Illinois 61629, U.S.A.	Resilient shock absorbing device.
70.	108829	11-1-1967	The Bunker Ramo Corporation, of Oakbrook North, Oak Brook, Illinois, U.S.A.	Dry lubricant compositions.
71.	108830	11-1-1967	Do.	Article such as of ceramics or metal coated with alternate layer of lubricant.
72.	108831	11-1-1967	Do.	Dry lubricant coated articles.
73.	103064	27-1-1967	Caterpillar Tractor Co., 100 N.E. Adams Street, Peoria, Illinois 61629, U.S.A.	Ejector mechanism for loader buckets.
74.	103093	30-1-1967	Kyowa-Denki Kagaku Kabushiki Kaisham of No. 711, Savda-Higashi-cho, Hachiji-shi, Tokyo, Japan.	Box for carrying bottles.
75.	103540	1-3-1967	Caterpillar Tractor Co., 100 N.E. Adams St., Peoria Illinois 61629, U.S.A.	Tractor scrapper combination.
76.	103971	29-3-1967	Norris Filters Ltd., of Burrell Road, Haywards Heath, Sussex, England.	Filter units for fluids.
77.	103972	29-3-1967	Weaving Research & Textile Commission Agents Ltd., Ballamoor Castle, Jurby, Isle-of-Man.	Shuttle less weaving looms.
78.	110450	12-10-1965	Allen Davies & Company Ltd., of Knappa Lane, St., George, Bristol 5, England.	Improved package.
79.	110548	6-5-1967	R. D. Werper & Co., Inc., Box 580, Osgood Road, Greenville, Pennsylvania, U.S.A.	Front loading extension ladders.
80.	110581	9-5-1967	Do.	Ladder constructions.
81.	110714	18-5-1967	Catterpillar Tractor Co., 100 N.E. Adams St., Peoria, Illinois, U.S.A.	Hydraulic follow up for vehicle steering systems.
82.	110750	25-5-1966	Portec (UK) Ltd, of 1A Grosvenor Gardens, London, S. W. 1, England.	Apparatus for applying liquid to the rails of railway tracks.
83.	110317	25-5-1967	Caterpillar Tractor Co. 100 N.E. Adams St, Peoria, Illinois 61629, U.S.A.	Tractor scrapper combination
84.	111022	8-6-1967	Do.	Hydraulic actuating of a pair of steering clutches in the drive train of a tractor.
85.	111194	20-6-1967	Nippon Shokubai Kagaku Kogyo Co. Ltd., of No. 1, 5-chome, Koraibashi, Higashi-ku, Osaka, Japan.	Extrusion molding.
86.	111202	22-6-1967	Caterpillar Tractor Co. 100 N.E. Adams St, Peoria, Illinois 61629, U.S.A.	Reinforcement for pneumatic tires.
87.	111205	23-6-1966	The Metal Box Company of India Ltd., Barlow House, 59 C Chowringhee Road, Calcutta-20.	Sheet metal components for containers.
88.	111227	23-6-1967	Kiyoyasu Wake, No. 378, Kinuta-cho, Setagaya-ku, Tokyo, Japan.	Magnetically actuated tubler lock.
89.	111749	31-7-1967	Caterpillar Tractor Co, 100 N.E. Adams St, Peoria, Illinois 61629, U.S.A.	Track link.
90.	112115	26-8-1967	Truzschler & Co., of Duvenstr, 82/92, Rheydt-Odenkri-chen, West Germany.	Mechanism for the conveying of fibres or fibrous materials by means of air pressure.
91.	112282	8-9-1967	Caterpillar Tractor Co, 100 N.E. Adams St., Peoria, Illinois 61629, U.S.A.	Hydraulic control system for a multi speed transmission.
92.	112283	8-9-1967	Do.	Hydraulic governor.
93.	112503	25-9-1967	Elastic Rail Spike Company Ltd., of 7, Rolls Buildings, Fetter Lane, London.	Spring key for fastening a railway rail.
94.	112893	24-10-1967	Caterpillar Tractor Co., 100 N.E. Adams St., Peoria, Illinois 61629, U.S.A.	Push-pull coupling for tractor-scraper units.
95.	112924	25-10-1967	Do.	Valve means for actuating two sets of hydraulic motors.
96.	113179	14-11-1967	Walter, Jeanmaire, Kollran, Black Forest, Germany.	Device for regulating the feed of flock feeding means to carding engines.
97.	113245	20-11-1967	Trutschler & Co., 407 Rhedyt-Odenkriehen, West Germany.	Machine for opening cotton bales.

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98.	113286	22-11-1967	Monsanto Company, 800 North Lindbergh Boulevard, St. Louis, Missouri 63166, U.S.A.	Process for forming objects from a low viscosity melt.
99.	113437	10-7-1967	Snam Progetti S. p. A., 16, Corso Venezia, Milan, Italy.	Melt-spun composite filaments.
100.	113739	21-12-1967	Casblancas Ltd., Cornation Road, London N.W. 10, land.	Top arms for textile fibre roller drafting mechanism.
101.	113761	22-12-1967	Bau-Stahlegewebe GMBH, of Burggrafenstrasse 5, Dusseldorf, West Germany.	Concrete reinforcing bar.
102.	114327	2-2-1968	Caterpillar Tractor Co. 100 N.E. Adams Street, Peoria, Illinois, 61629, U.S.A.	Powdered articulated crawler vehicle.
103.	114359	5-2-1968	Smith International Inc, 13215 East Penn Street, Uwhittier, California, U.S.A.	Bearing seal.
104.	114442	8-2-1968	Sumitomo Metal Industries Ltd., No. 15, 5-chome, Kitahama, Higashi-ku, Osaka-shi, Japan.	Semi continuously casting steel ingot.
105.	114536	20-4-1972	John Labatt Ltd., 150 Simcoe Street, London, Ontario, Canada.	Controlled release feed additives for ruminants.
106.	115335	8-4-1968	Caterpillar Tractor Co., 100 N.E. Adams St., Peoria, Illinois 61629, U.S.A.	Lift cylinder mounting for scrapers.
107.	115346	8-4-1968	Cardwell Westinghouse Company, 332 South Michigan Avenue, Chicago, Illinois, 60604, U.S.A.	Two way automatic brake adjuster.
108.	115761	6-5-1968	Weston Instruments Inc, of 614 Frelinghuysen Avenue, New York, New Jersey, U.S.A.	Analog-to-digital converter.
109.	116072	24-5-1968	John Stevenson Thomson, "Whitsondene", 104 Forsyth St, Greebock, Scotland.	Cranes.
110.	116118	28-5-1968	Caterpillar Tractor Co., 100 N.E. Adams St, Peoria, Illinois 61629, U.S.A.	Two-piece master track link.
111.	116639	3-7-1968	Wright Rain Lt., Crowe, Ringwood, Ramshire, England.	Rotary water sprinkler.
112.	116834	17-7-1968	Cardwell Westinghouse Company, 332 South Michigan Avenue, Chicago, Illinois 60604, U.S.A.	Hand brake for rail road cars.
113.	117542	3-9-1968	Caterpillar Tractor Co., 100 N.E. Adams Street, Peoria, Illinois 61629, U.S.A.	Articulated chain assembly.
114.	117778	22-9-1967	Abraham Kogan, 35a Trumpeldor Avenue, Neveshanan, Haifa, Israel.	Apparatus for producing a liquid in which heat and/or mass is transferred there-to from another liquid.
115.	117836	25-9-1968	Trutzchler & Co., of Rheydt-Odenkirchen, West Germany.	Apparatus for the pneumatic feeding of fiber tubes to spinning mill machinery.
116.	118171	18-10-1968	Caterpillar Tractor Co, 100 N.E. Adams St., Peoria, Illinois 61629, U.S.A.	Adjustable ripper tip for an earth ripping device.
117.	118328	29-10-1968	Mitsubishi Jukogyo Kabushiki-Kaisha, of 10, Marunouchi 2-chome, Chiyoda-ku, Tokyo Japan.	Spirally wound multiple layer steel strip pipe for pressure vessel.
118.	118490	8-11-1968	A/S Thomas Ths Sabroe & Co. of 8270 Arthus Højbjerg, Post Box 1810, 800 Arthus C, Denmark.	Pressure control valve for refrigeration compressors.
119.	118586	15-11-1968	Caterpillar Tractor Co, 100 N.E. Adams Street, Peoria, Illinois, 61629, U.S.A.	Heavy duty track hinge joints.
120.	118808	30-11-1968	Do.	Replaceable ripper tip assembly.
121.	119496	23-8-1968	Donald Hatch, of "Advera" 10 whalley Lane, Whalley Bridge, via Stockport, Cheshire, England.	Vernier indicator.
122.	119655	3-2-1969	National Research Development Corporation, of Kingsgate House, 66-74 Victoria St, London SW1, England.	Construction process for constructing structures.
123.	119685	4-2-1969	Mitsubishi Jukogyo Kabushiki Kaisha, of 10, Marunouchi 2-chome, Chiyoda-ku, Tokyo, Japan.	Spiral multi layer pipe.
124.	121489	24-5-1969	Robert Angus Kipp, 8 Fulham Avenue, Winnipeg 9, Manitoba, Canada.	Air flotation separators.
125.	122579	1-8-1969	Schlumberger Overseas, S.A 26 Berners St., London, W. 1, England.	System for determining the position of a tool in a bore hole.

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126.	123,033	4-9-1969	Caterpillar Tractor Co, 100 N.E. Adams St., Peoria, Illinois 61629, U.S.A.	Apparatus for improving stability of an elevator scraper during unloading.
127.	123598	16-10-1969	E. I. Du Pont Etc., of Wilmington, Delaware, U.S.A.	Permeation separation apparatus for separating fluids.
128.	123761	28-10-1969	Wright Rain Limited, Crowe, Kingwood, Ramshire England.	Swing arm for a rotary water sprinkler.
129.	124589	24-12-1969	The Metal Box Company of India Ltd., Barlow House, 59C Chowringhee Road, Calcutta-20.	Containers.
130.	124626	29-12-1969	Hawson-Algraphy Ltd., Murray Road, St. Paul's Cray, Orpington, Kent, England.	Positive acting light sensitive plates.
131.	124802	12-1-1970	Yat Chuen and Kin Sun Yuen, 214 A Des Voeuso Road Central, Hong Kong.	Inflatable mattress and cushions.
132.	124948	20-1-1970	Trutzschler & Co, of Duvensstr 82-92, 407 Rheyd-Odenkriehen, West Germany.	Apparatus for the opening of textile fibre-bales.
133.	125201	9-2-1970	Roche Ramchand Pardasani, Bhatia Bldg 87, Ranade Road, Shivaji Park, Dadar, Bombay-400028.	Processing of collapsible plastic bags or like
134.	125447	24-2-1970	E. Lusser of 16, Bahnhofstrasse, 8001, Zurich, Switzerland.	Device for burning holes into concrete masonry stone or metal.
135.	125614	7-3-1970	Council of Scientific and Industrial Research, Rafi Marg, New Delhi-1.	Test specimen making machine.
136.	125622	7-3-1970	W.M.R. Seward & Sons (Hacklemakers) Ltd., Marine Parade, Dundee, Scotland.	Improvements relating to carding, drawings and other machines and a method of fixing pins in a matrix.
137.	125691	11-3-1970	Cardwell Westinghouse Co., 332 South Michigan Avenue, Chicago, Illinois 60604, U.S.A.	Sealed non-spin hand brake arrangement.
138.	125713	12-3-1970	Snam Progetti S.p.A., of 16, Corso Venezia, Milan, Italy.	Device for the panoramic radiography of weldings in metal pipings.
139.	125815	20-3-1970	Gestetner Ltd., Fawley Road, Tottenham, London No. 17, England.	Duplicating machines.
140.	125843	21-3-1970	National Research Development Corporation, Kingsgate House, 66-74 Victoria St., London S.W.1, England.	Glove for the manual application of liquids in agriculture.
141.	125915	25-3-1970	Uzina G. Martin of Judetut, Brasois-Rumania.	Adjustable rear cushion.
142.	126074	6-4-1970	Eugene Marie Burstlein, of 7 rue Basse de la Terrasse, Meudon-Bellevue, Hauts de Seine, France.	Screening process and apparatus.
143.	126220	16-4-1970	Roche Ramchand Pardasani, Bhatia Bldg., 87, Rahade, Road, Shivaji Park, Dadar, Bombay.	Locks.
144.	126294	21-4-1970	Bau-Und Forschungsgesellschaft Thermoform A.G., of Murten, Fribourg, of Ryl 50, Swiss.	Apparatus for reducing wood wool
145.	126399	28-4-1970	Allplas A.G., of 12 Alpenstrasse, Zug, Switzerland.	Liquid container for flammable liquids.
146.	126428	29-4-1970	Fonderies Megtteaux S.A., of rue Pres de la Tour 55, Tour 55, B-4601, Vaux-sous-Chevremont, Belgium.	Balls and lining plates for grinding mills.
147.	126430	29-4-1970	Sun oil Co. of P. O. Box No. 2880, City of Dallas, State of Texas, U.S.A.	Apparatus for recording pressure conditions in bore holes.

S. VEDARAMAN.

CONTROLLER-GENERAL OF PATENTS,
DESIGNS AND TRADE MARKS.

CONTROL OF FERAL OF WATERS
OF NICKS AND LEAD MARKS

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